



# TAMMSCRETE

POLYMER-MODIFIED, CEMENTITIOUS FINISHING MATERIAL

## DESCRIPTION

TAMMSCRETE is a single-component, polymer-modified, cement based material used for achieving a smooth finish on precast, cast-in-place, tilt-up or other unfinished concrete surfaces with imperfections.

TAMMSCRETE is suitable for application in the range 0 to 3 mm, and 6.4 mm when extended with sand.

## PRIMARY APPLICATIONS

- Fill bug holes and honeycombs
- Skimcoats
- Brighten and restore vertical/overhead concrete surfaces
- Reprofiting over large areas, up to 6.4 mm depth

## FEATURES/BENEFITS

- Featheredge to 3.0 mm, 6.4 mm when extended with sand
- Smooth, creamy consistency
- Easy to apply & user friendly
- Low shrinkage
- Long working time
- Interior or exterior use

## TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH.

PROPERTIES	VALUE
Water / Powder ratio	0.24 – 0.25
Initial Set	45 to 60 minutes ASTM C 266
Fresh wet Density	2000 kg/m <sup>3</sup> approx.
Compressive Strength	(ASTM C 109 Modified*)
7 days	20 Mpa
28 days	25 Mpa

## PACKAGING

TAMMSCRETE is packaged in 25 kg Bags

## SHELF LIFE

12 months in original, unopened package

## COVERAGE / YIELD

25 kg bag will yield approximately 0.011 m<sup>3</sup> to 0.012 m<sup>3</sup> and cover approximately 3.5 m<sup>2</sup> to 4.0 m<sup>2</sup> at 3.0 mm thickness.

Coverage rates are approximate and are for estimating purpose only. Actual coverage depends upon the concrete substrate

## DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3 - 4 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

**Priming:** Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. Alternatively, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of TAMMSCRETE. The repair must be made before the scrub coat dries out.

**Mixing:** Add TAMMSCRETE to the measured water, using only enough water to produce a mixture with a soft creamy putty-like consistency. Water requirements are 6.0 to 6.25 Ltr per 25 kg bag. Use a power drill with a "jiffy" mixer to mix single bags. For larger applications, a paddle type mortar mixer is recommended. Do not entrap air while mixing. TAMMSCRETE can be extended with up to 8 - 9 kg of clean and dried silica sand for a coarser texture and deeper repairs. For improved properties replace 25% of the mix water with AKKRO 7T.

**Application & Finish:** Apply TAMMSCRETE to walls with a float or trowel in a smooth uniform coat. Neat TAMMSCRETE can be used from feather edge to 3.0 mm. If extended with sand, TAMMSCRETE can be applied up to 6.4 mm.

**Curing:** Moist cure for best results in hot windy weather. Do not use solvent based curing compounds.

## CLEAN-UP

Clean tools and application equipment immediately after use with water before TAMMSCRETE hardens. Hardened TAMMSCRETE will require mechanical abrasion for removal.

## PRECAUTIONS/LIMITATIONS

- Store in dry conditions at temperatures between 10°C to 32°C.
- Unextended TAMMSCRETE should be applied to a maximum thickness of 3.0 mm per lift.
- Do not retemper or over trowel.
- Minimum ambient and surface temperature must be 4<sup>0</sup> C and rising at the time of application.
- Protect from rain for 24 hours after application.
- In all cases, refer the Safety Data Sheet before use.